

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-43. (Canceled).

44. (New) An OFDM transmission apparatus providing a transmission period in which communication control information and user data are transmitted at the same time using a plurality of subcarriers forming an OFDM signal, said period being different from a transmission period of a known signal for use in channel estimation, said OFDM transmission apparatus comprising:

an OFDM signal former that allocates (i) the same communication control information to each of specific subcarriers of the OFDM signal, in duplication, and (ii) the user data to subcarriers of the OFDM signal other than said specific subcarriers; and

a transmitter that transmits the OFDM signal formed in the OFDM signal former.

45. (New) The OFDM transmission apparatus according to claim 44, wherein one of the specific subcarriers to which the

communication control information is allocated has an angular frequency of zero.

46. (New) An OFDM reception apparatus comprising:

a receiver that receives an OFDM signal formed by a plurality of subcarriers that are communicated at the same time, wherein (i) the same communication control information is allocated to each of specific subcarriers of the OFDM signal, in duplication, and (ii) user data is allocated to subcarriers of the OFDM signal other than said specific subcarriers, said OFDM signal being received in a period that is different from a transmission period of a known signal for use in channel estimation;

a compensator that compensates for the received OFDM signal using the known signal for channel estimation; and

a communication control information acquirer that extracts the communication control information from one of the specific subcarriers of the received OFDM signal after the compensation or combines the communication control information from a plurality of said specific subcarriers of said received OFDM signal after the compensation.

47. (New) An OFDM communication system comprising:

an OFDM transmission apparatus that transmits a known signal for use in channel estimation in a predetermined period and that allocates the same information for use in communication control to each of specific subcarriers in duplication and transmits said specific subcarriers in a user data transmission period that is different from said predetermined period of transmitting the known signal; and

an OFDM reception apparatus that compensates for a received signal using the known signal for channel estimation and that extracts the communication control information from one of the specific subcarriers of the received OFDM signal after the compensation or combines the communication control information from a plurality of said specific subcarriers of said received OFDM signal after the compensation.

48. (New) An OFDM transmission method comprising the steps of:

(a) transmitting a known signal for use in channel estimation; and

(b) allocating the same information for use in communication control to each of specific subcarriers in duplication and transmitting said specific subcarriers in a user data

transmission period that is different from said predetermined period of transmitting the known signal.

49. (New) The OFDM transmission method of claim 5, wherein step (b) comprises making one of said specific subcarriers have an angular frequency of zero.